

10/018677  
531 Rec'd PCT/ 14 DEC 2001

0575/58332-A-PCT-US/JPW/FHB

**Application  
for  
United States Letters Patent**

**To all whom it may concern:**

**Be it known that** Nicole Suciu-Foca, Raffaello Cortesini, Zhuoru Liu, and  
Chih-Chao Chang

**have invented certain new and useful improvements in**

GENERATION OF ANTIGEN SPECIFIC T SUPPRESSOR CELLS FOR  
TREATMENT OF REJECTION

**of which the following is a full, clear and exact description.**

FORM PTO-1390  
(REV. 9-2001)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTORNEY'S DOCKET NUMBER

TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371

58332-A-PCT-US/JPW/FHB

U.S. APPLICATION NO. (if known, see 37 CFR 1.5

Not 09/09/8677

INTERNATIONAL APPLICATION NO.  
PCT/US00/16594INTERNATIONAL FILING DATE  
15 June 2000PRIORITY DATE CLAIMED  
15 June 1999

## TITLE OF INVENTION

Generation of Antigen Specific T Suppressor Cells For Treatment of Rejection

## APPLICANT(S) FOR DO/EO/US

The Trustees of Columbia University in the City of New York

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
  2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
  3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
  4. ☒ The US has been elected by the expiration of 19 months from the priority date (Article 31).
  5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
    - a. ☒ is attached hereto (required only if not communicated by the International Bureau). (courtesy copy)
    - b. ☒ has been communicated by the International Bureau.
    - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
  6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
    - a. ☐ is attached hereto.
    - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
  7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
    - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
    - b. ☐ have been communicated by the International Bureau.
    - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
    - d. ☒ have not been made and will not be made.
  8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).
  9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). (unsigned)
  10. ☐ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).
- Items 11 to 20 below concern document(s) or information included:
11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
  12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
  13. ☐ A **FIRST** preliminary amendment.
  14. ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
  15. ☐ A substitute specification.
  16. ☐ A change of power of attorney and/or address letter.
  17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.
  18. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
  19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
  20. ☒ Other items or information: Courtesy copy of Notice Informing Applicant of the Communication of the International Application to the Designated Offices, PCT Request, PCT Demand, Written Opinion, International Preliminary Examination Report, and Small Entity Declaration from U.S. parent application, 1 loose duplicate set of formal drawings (44pp), and an Express Mail Certificate of Mailing bearing Label No. EJ 700 080 215 US dated December 14, 2001.

U.S. APPLICATION NO. (If known, enter in block 1) Not Yet Known		INTERNATIONAL APPLICATION NO. PCT/US00/16594		ATTORNEY'S DOCKET NUMBER 58332-A-PCT-US/JPW	
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21. <input checked="" type="checkbox"/> The following fees are submitted: <b>BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):</b> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO ..... \$1040.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO ..... \$890.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO ..... \$740.00  International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) ..... \$710.00  International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) ..... \$100.00  <b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>				<b>CALCULATIONS PTO USE ONLY</b>          <div style="display: flex; justify-content: space-between;"> <span>\$ 710.00</span> <span></span> </div> <div style="display: flex; justify-content: space-between;"> <span>\$ 0.00</span> <span></span> </div>	
Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).					
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	56 - 20 =	36	x \$18.00	\$ 648.00	
Independent claims	17 - 3 =	14	x \$84.00	\$ 1176.00	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)				+ \$280.00	\$ 0.00
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$ 2534.00	
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$ 1267.00	
<b>SUBTOTAL =</b>				\$ 1267.00	
Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$ 0.00	
<b>TOTAL NATIONAL FEE =</b>				\$ 1267.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +				\$ 0.00	
<b>TOTAL FEES ENCLOSED =</b>				\$ 1267.00	
				Amount to be refunded:	\$
				charged:	\$

a. ☒ A check in the amount of \$ 1267.00 to cover the above fees is enclosed.

b. ☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ to cover the above fees. A duplicate copy of this sheet is enclosed.

c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 03-3125. A duplicate copy of this sheet is enclosed.

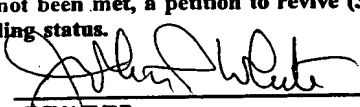
d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

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 SIGNATURE  
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 REGISTRATION NUMBER

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Dkt. 58332-A-PCT-US/JPW/FHB

IN THE UNITED STATES DESIGNATED ELECTED OFFICE (DO/EO/US)

Applicants : Nicole Suciu-Foca, et al.  
International  
Application No. : PCT/US00/16594  
Filed : 15 June 2000  
For : GENERATION OF ANTIGEN SPECIFIC T  
SUPPRESSOR CELLS FOR TREATMENT OF  
REJECTION

1185 Avenue Of The Americas  
New York, New York 10036  
December 14, 2001

Assistant Commissioner for Patents  
Washington D.C. 20231-9999  
Attn: DO/EO/US

**EXPRESS MAIL CERTIFICATE OF MAILING  
FOR ABOVE-IDENTIFIED APPLICATION**


Express Mail mailing label number: EJ 700 080 215 US

Date of Deposit: December 14, 2001

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. §1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents and Trademarks, Washington, D.C. 20231.

  
Printed Name: Samuel Khahh

Respectfully submitted,

  
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